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**DECLARATION FOR UTILITY OR** 

**DESIGN** 

PATENT APPLICATION (37 CFR 1.63)

56.0553CIP

Kevin W. England

October 2, 2001

**COMPLETE IF KNOWN** 

PTO/SB/01 (10-00)
Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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**Attorney Docket Number** 

**First Named Inventor** 

Application Number

[ <del>-</del>	la	Filing Date	Octo	ber 2, 2001						
Declaration Submitted OR	Declaration Submitted after Initia Filing (surcharge	Group Art Unit	Unk	nown						
with Initial Filing	(37 CFR 1.16 (e)) required)	Examiner Name	∍ Unl	known	<i>_</i>					
As a below named inventor, I he	reby declare that:									
My residence, mailing address, an	d citizenship are as state	ed below next to my nam	ne.							
I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:										
FOAMING AG	FOAMING AGENTS FOR USE IN COAL SEAM RESERVOIRS									
	(Tit	tle of the Invention)								
the specification of which is attached hereto			•							
OR was filed on (MM/DD/YYYY)		as United S	tates Application N	Number or PCT	International					
Application Number		nended on (MM/DD/YY	w [	(if	applicable).					
I hereby state that I have reviewe	<del></del>	•	•	induding the	daime as					
amended by any amendment spe	cifically referred to above	e.	miled specification	i, including the t	Jaims, as					
I acknowledge the duty to disclose in-part applications, material infor PCT international filing date of the	mation which became av	ailable between the filir	s defined in 37 CF ng date of the prior	R 1.56, including application and	g for continuation- I the national or					
I hereby claim foreign priority ber certificate, or 365(a) of any PCT America, listed below and have certificate, or any PCT internation	international application also identified below. b	which designated at lead to the checking the box. a	ast one country of any foreign applic	ther than the Un ation for patent	ited States of or inventor's					
Prior Foreign Application Number(s)	Country	Foreign Filing Date	Priority Not Claimed	Certified Cop	oy Attached? NO					
		•								
☐ Additional foreign application	numbers are listed on a	supplemental priority da	ata sheet PTO/SB	/02B attached h	ereto:					
I hereby claim the benefit under	35 U.S.C. 119(e) of any	United States provision	nal application(s) l	listed below.						
Application Number(s)	Filing Date	(MM/DD/YYYY)	Additiona	al provisional ap	plication					
			numbers	are listed on a						
				ental priority dat /02B attached h						
					-					

[Page 1 of 2]

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# **DECLARATION** — Utility or Design Patent Application

l lirect all correspondence to: likil	Customer Nu or Bar Code		274	52	OR .	Correspondence address below
Name						
Address				564		
Address				<b></b>		
City		<u> </u>		State	,	ZIP
Country		Telephon	е			Fax
I hereby declare that all statements man are believed to be true; and further that made are punishable by fine or imprison validity of the application or any patent is	t these state nment, or bo	ements we oth, under	re made w	ith the kr	owledge that willf	ul false statements and the like so
NAME OF SOLE OR FIRST INV	ENTOR:			A petiti	on has been fil	ed for this unsigned inventor
Given Name Kevin W (first and middle [if any])	•			Family or Sum		nd
Inventor's Kin W. Ly	Nd.					Systember 24, 2001
Residence: City Houston			State	TX	USA Country	US Citizenship
Mailing Address 18102 Some	set Kno	lls				
Mailing Address			-			
<sub>City</sub> Houston	T State	X		ZIP	77094	USA
NAME OF SECOND INVENTOR	:			A petit	ion has been fi	ed for this unsigned inventor
Given Name J. Ernest (first and middle [if any])			Ŧ	Family or Surn		
Inventor's Signature	·		· 			Sept. 24, 2001 Date
Residence: City Katy			State	TX	Country	Citizenship US
Mailing Address 2015 Parco V	erde Cir	cle				
Mailing Address		-				
<sub>City</sub> Katy	State	TX		ZIP	77450	Country
✗ Additional inventors are being named		_suppleme	ntal Additio		tor(s) sheet(s) PT	O/SB/02A attached hereto.

Please	type	а	plus	sign	(+)	inside	this box	<b>→</b>	+

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#### **DECLARATION**

**ADDITIONAL INVENTOR(S)** Supplemental Sheet Page \_\_\_\_ of \_2\_

Name of Additional Joint Inventor, if a	ny:			A petition	on has been filed	for th	is unsigned inventor
Given Name (first and middle [if any	1)	Family Name or Surname					
Jerald J.			ł	Hinkel			
Inventor's Juan J. K	$\geq$	2 /		)	:	s	ept. 26, 2001 Date
Residence: City Houston	State	\f\>	(	Country	USA	_	US Citizenship
Mailing Address	·	182	19 N	/lountfie	eld Drive		
Mailing Address							
city Houston	State	, T)	<	ZIP	77084 <sub>c</sub>	ountry	, USA
Name of Additional Joint Inventor, if a	ny:			A petition	has been filed	for this	unsigned inventor
Given Name (first and middle [if any	])				Family Name	or Su	ımame
Ramchandra M.				Reddy			
Inventor's Signature				٠			Date
Residence: City Houston	State	TX		Country	USA		Citizenship US
Mailing Address 13622 Hidden Dell (	Court						
Mailing Address							
City Houston	State	T	X	ZIP	77059	Cour	usa USA
Name of Additional Joint Inventor, if a	ny:			A petition	has been filed fo	or this	unsigned inventor
Given Name (first and middle [if any]	)			•	Family N	ame o	r Surname
Inventor's Signature	r						Date
Residence: City	State	··- <u>·</u> -		Country			Citizenship
Mailing Address					· 		
Mailing Address						,	
City	State			ZIP		Col	untrv

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## **DECLARATION**

ADDITIONAL INVENTOR(S)
Supplemental Sheet
Page 2\_\_ of \_2

Name of Additional Joint Inventor, if a	ny:		A petition	has been filed	d for thi	is unsigned inventor
Given Name (first and middle [if any	1)			Family Name	e or Su	ımame
Jerald J.		Н	linkel			
Inventor's Signature						Date
Residence: City Houston	State T>	<u> </u>	Country	USA	c	US
Mailing Address	182	19 M	lountfiel	ld Drive		
Mailing Address						
city Houston	State T	×.	ZIP 7	7084 c	ountry	USA
Name of Additional Joint Inventor, if ar	ıy:		A petition I	has been filed	for this	s unsigned inventor
Given Name (first and middle [if any]	$\Box$		Family Nam	e or Su	ımame	
Ramchandra M.		F	Reddy			
Inventor's Signature M. Romchado	م آره	مم	4			Date 9 27 / 01
Residence: City Houston	State T>	<u> </u>	Country	USA		Citizenship US
Mailing Address 13622 Hidden Dell C	Court					
Mailing Address						
City Houston	State T	Χ	ZIP	77059	Cour	ntry USA
Name of Additional Joint Inventor, if a	ny:		4 petition h	as been filed f	or this	unsigned inventor
Given Name (first and middle [if any]	)			Family N	lame o	or Surname
Inventor's Signature						Date
Residence: City	State		Country			Citizenship
Mailing Address						· · · · · · · · · · · · · · · · · · ·
Mailing Address			<del></del>			· .
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DECEMBER 14, 2001

PTAS

SCHLUMBERGER TECHNOLOGY CORPORATION IP DEPT WELL STIMULATION 110 SCHLUMBERGER DRIVE, MD1 SUGAR LAND, TX 77478 Under Secretary of Commerce For Intellectual Property and Director of the United States Patent and Trademark Office Washington, DC 20231 www.uspto.gov



\*101873496A\*

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RECORDATION DATE: 10/02/2001

REEL/FRAME: 012233/0841

NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

ENGLAND, KEVIN W.

DOC DATE: 09/24/2001

ASSIGNOR:

BROWN, J. ERNEST

DOC DATE: 09/24/2001

ASSIGNOR:

HINKEL, JERALD J.

DOC DATE: 09/26/2001

ASSIGNOR:

REDDY, RAMCHANDRA M.

DOC DATE: 09/27/2001

ASSIGNEE:

SCHLUMBERGER TECHNOLOGY CORPORATION 110 SCHLUMBERGER DRIVE SUGAR LAND, TEXAS 77478

SERIAL NUMBER: 09969392

PATENT NUMBER:

FILING DATE: 10/02/2001

ISSUE DATE:

SAUNDRA BALLENGER, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

10-15-2001



101873496

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. NAME OF CONVEYING PARTY(IES): 2. NAME AND ADDRESS OF RECEIVING PARTY(IES): Kevin W. England Schlumberger Technology Corporation J. Ernest Brown 110 Schlumberger Drive Jerald J. Hinkel Sugar Land, Texas 77478 Ramchandra M. Reddy No additional names attached No additional names & addresses attached 3. NATURE OF CONVEYANCE: **ASSIGNMENT EXECUTION DATE:** September 24, 2001, September 24, 2001, September 26, 2001, September 27, 2001 4. APPLICATION NUMBER(S) OR PATENT NUMBER(S): If this document is being filed with a new application, the execution date of the application is: A. PATENT APPLICATION NO.(\$) B. PATENT NO.(s) NO ADDITIONAL NUMBERS ATTACHED 5. NAME AND ADDRESS FOR TOTAL NUMBER OF APPLNS. & CORRESPONDENCE: PATENTS INVOLVED 1. Schlumberger Technology Corporation IP Dept., Well Stimulation 110 Schlumberger Drive, MD1 Sugar Land, Texas 77478 7. TOTAL FEE (37 CF4.3.41) <u>\$40.00</u> CHARGE TO DEPOSIT ACCOUNT 8. DEPOSIT ACCOUNT NO. 04-1579(56. 0553CIP) (a duplicate of this page is attached) 9. STATEMENT AND SIGNATURE. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Total number of pages including cover sheet, attachments and document:

10/12/2001 DBYRNE

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09969392

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40.00 CH

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	ASSIGNMENT OF APPLICATION	Docket Number (Optional) 56.0553CIP
•		
	Whereas, I, Kevin W. England of Schlumberger Technology	ology Corporation , hereafter
•	referred to as applicant, have invented certain new and useful improvements i	n
	Foaming Agents for Use in Coal Seam Reservoirs	
	for which an application for a United States Patent was filed on  Application Number/	
	for which an application for a United States Patent was executed on $\underline{\mathbb{C}}$	ctober 2, 2001, and
	Whereas, Schlumberger Technology Corporation of Sugar Land, Texas	SUSA herein referred to
	"assignee" whose mailing address is 110 Schlumberger Drive	, MD1 is de-
	sirous of acquiring the entire right, title and interest in the same;	•
	Now, therefore, in consideration of the sum of dollars (\$_1.00_	_), the receipt whereof is ac-
	knowledged, and other good and valuable consideration, I, the applicant, by the	ese presents do sell, assign
	and transfer unto said assignee the full and exclusive right to the said invention	in the United States and the
	entire right, title and interest in and to any and all Patents which may be granted	therefor in the United States,
•	I hereby authorize and request the Commissioner of Patents and Trademarks	s to issue said United States
	Patent to said assignee, of the entire right, title, and interest in and to the same	, for his sole use and behoof;
	and for the use and behoof of his legal representatives, to the full end of the ter	m for which said Patent may
	be granted, as fully and entirely as the same would have been held by me had	this assignment and sale not
	been made.	•
	Executed this 24th day of Soptimen	, 20 <u>01</u> ,
	at Sugar Land	·
	Kai 61. 8	- Ad
	State of _Texas SS: (SCOUNTY OF _Ft. Bend)  Before me personally appeared said Kevin W. England and acknowledged the foregoing instrument to be his free act and deed this	Signature)
The state of the s	YVONNE LOFTIN  MY COMMISSION EXPIRES  MY COMMISSION EXPIRES	Otary Public)

Burden Hour Statement: This form's estimated ake 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner of Patents and Trademarks, Washington, DC 20231.

PTO/SB/15 (08-00) -0027 ERCE mber.

ASSIGNMENT OF APPLICATION	Docket Number (Optional) 56.0553CIP
Whereas, I, J. Ernest Brownof Schlumbe	erger Technology Corporation , hereafte
referred to as applicant, have invented certain new and useful im	provements in
Foaming Agents for Use in Coal Seam Reservoirs	5
for which an application for a United States Patent was file Application Number/	·
Whereas, Schlumberger Technology Corporation of Sugar L	
"assignee" whose mailing address is110 Schlumb	•
sirous of acquiring the entire right, title and interest in the same;	
Now, therefore, in consideration of the sum of dollars	(\$_1.00), the receipt whereof is ac
knowledged, and other good and valuable consideration, I, the ap	plicant, by these presents do sell, assigr
and transfer unto said assignee the full and exclusive right to the s	aid invention in the United States and the
entire right, title and interest in and to any and all Patents which ma	y be granted therefor in the United States
I hereby authorize and request the Commissioner of Patents and	Trademarks to issue said United States
Patent to said assignee, of the entire right, title, and interest in and	to the same, for his sole use and behoof
and for the use and behoof of his legal representatives, to the full of	end of the term for which said Patent may
be granted, as fully and entirely as the same would have been held	d by me had this assignment and sale not
been made.	
Executed this 24th day of September	, 20 01,
atSugar Land, Texas	
	Ha
State of Texas SS:	(Signature)

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the acknowledged the foregoint instrument to be his free act and deed this 24th day of Septime LOFTIN, 20 01

J. Ernest Brown

Before me personally appeared said \_

MY COMMISSION EXPIRES JUNE 29, 2003

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	ASSIGNMENT OF APPLICATION	Docket Number (Optional) 56.0553CIP
	Whereas, I, Jerald J. Hinkelof _ Schlumberger Technol	logy Corporation , hereafter
•	referred to as applicant, have invented certain new and useful improvements i	n
	Foaming Agents for Use in Coal Seam Reservoirs	
	for which an application for a United States Patent was filed on  Application Number/	· · · · · · · · · · · · · · · · · · ·
	for which an application for a United States Patent was executed on $\underline{C}$	october 2, 2001, and
-	Whereas, Schlumberger Technology Corporation of Sugar Land, Texas	USA herein referred to
	"assignee" whose mailing address is110 Schlumberger Drive,	MD1 is de-
	sirous of acquiring the entire right, title and interest in the same;	
·	Now, therefore, in consideration of the sum of dollars (\$1.00	_), the receipt whereof is ac-
	knowledged, and other good and valuable consideration, I, the applicant, by th	ese presents do sell, assign
	and transfer unto said assignee the full and exclusive right to the said invention	in the United States and the
	entire right, title and interest in and to any and all Patents which may be granted	therefor in the United States,
	I hereby authorize and request the Commissioner of Patents and Trademarks	s to issue said United States
	Patent to said assignee, of the entire right, title, and interest in and to the same	, for his sole use and behoof;
	and for the use and behoof of his legal representatives, to the full end of the ter	m for which said Patent may
	be granted, as fully and entirely as the same would have been held by me had	this assignment and sale not
	been made.	
	Executed this 26th day of September	, 20 <u>01</u> ,
	atSugar Land, Texas	: 
	Tall J. K	
•	County of Ft. Bend	Signature)
r	and acknowledged the foregoing instrument to be his free act and deed this 26	th
	MY COMMISSION EXPIRES  WHAT ARE AREA AREA  MY HAME AREA AREA  MY COMMISSION EXPIRES	XXX.
	Seal JUNE 29, 2003	otary Hublic)

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#### ASSIGNMENT OF APPLICATION

Docket Number (Optional) 56.0553CIP

referred to as applicant, have invented certain new and useful improvements in	Whereas	ı, Rar	nchandra	M. Reddy	of		Champion	, hereafte
for which an application for a United States Patent was filed on October 2, 2001 Application Number for which an application for a United States Patent was executed on and Whereas, Schlumberger Technology Corporation of Sugar Land, Texas USA herein referred "assignee" whose mailing address is 110 Schlumberger Drive, MD1 is de- sirous of acquiring the entire right, title and interest in the same; Now, therefore, in consideration of the sum of One dollars (\$1.00), the receipt whereof is at knowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assigned that the said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States. I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States. Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.  Executed this 27 the day of Suptember 2001  State of Texas SS: County of Total Pend 3  SS: County of Total Pend 3  Ramchandra M. Reddy and acknowledged of the foregoing instrument to be his free act and deed this 2715	referred t	o as applic	ant, have inv	ented certain r	ew and	useţul improv	ements in	
Application Number	Foamin	g Agent	s for Use	in Coal S	eam Re	eservoirs		
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sirous of acquiring the entire right, title and interest in the same;  Now, therefore, in consideration of the sum of One dollars (\$ 1.00 ), the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United State. I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United State. Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.  Executed this 3/30 FMS21	Whereas	Schlumb	erger Technol	ogy Corporation	_ of	Sugar Land	d, Texas USA	herein referred to
Now, therefore, in consideration of the sum of One dollars (\$ 1.00 ), the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assigned and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United State. I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United State. Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behood and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.  Executed this 3/30 FMS21, 3resso, 4901 (Signature)  State of Texas SS: (Signature)  State of Texas SS: (Signature)  Ramchandra M. Reddy and acknowledged on the foregoing instrument to be his free act and deed this 2715	"assigne	" whose m	ailing addres	s is	110 5	Schlumberg	er Drive, MD1	is de-
knowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States. I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States. Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behood and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.  Executed this	sirous of	acquiring t	he entire righ	t, title and inte	rest in th	e same;		
and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United State. I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United State. Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.  Executed this	Now, the	efore, in c	onsideration (	of the sum of _	One	_ dollars (\$	1.00), the r	eceipt whereof is ac
and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United State. I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United State. Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.  Executed this	knowledg	ed, and ot	her good and	valuable cons	ideration	ı, I, the applic	ant, by these pre	esents do sell, assigr
I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United State  Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behood and for the use and behoof of his legal representatives, to the full end of the term for which said Patent ma be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.  Executed this								•
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State of Texas SS:  County of Jon Bend Ramchandra M. Reddy and acknowledged the foregoing instrument to be his free act and deed this 2712	Executed	this	27 13	day	of S	enter	ber	2001
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State of 16xas ) SS: County of 10x1 Devid ) Before me personally appeared said Ramchandra M. Reddy and acknowledged the foregoing instrument to be his free act and deed this 27th						M.R.	hada	( ddy
County of Jon Bend)  Before me personally appeared said Ramchandra M. Reddy  and acknowledged the foregoing instrument to be his free act and deed this	Cinto of	Tevas	、 s	SS:		7(1,0	(Signature	e)
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Burden Hour Statement: This form comments on the amount of time of Office, Washington, DC 20231. Do and Trademarks, Washington, DC

i to alte of hours to complete. Time will vary depending upon the needs of the individual case. Any encommunication of the individual case.